

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | | |
|---------------|--|-------------------|------------------|
| Applicant: | Hirofumi HAMADA et al. | Confirmation No.: | 8449 |
| Serial No.: | 10/546,000 | Art Unit: | 1722 |
| 371 (c) Date: | June 14, 2006 | Examiner: | Not Yet Assigned |
| | | Customer No.: | 21559 |
| Title: | METHODS FOR TREATING ISCHEMIC DISEASES | | |

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PETITION TO CORRECT FILING RECEIPT

Further to the request to correct filing receipt submitted on December 27, 2006, applicants note that the assignee address was not corrected.

Applicants request that the enclosed filing receipt be corrected as follows.

In the "Assignment for Published Patent Application" section, please change the address of the Assignee DNAVEC Research, Inc. as follows:

"Tuskuba-shi, JAPAN"

to read:

"Tsukuba-shi, JAPAN."

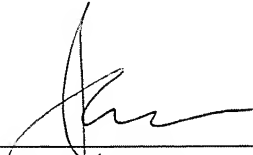
Enclosed are copies of the incorrect corrected filing receipt, the request to correct filing receipt submitted on December 27, 2006 (and accompanying documents), the assignment and electronic assignment transmittal as recorded on June 1, 2006, and the notice of recordation of assignment document that issued on June 2, 2006.

If there are any charges or any credits, please apply them to Deposit Account No.

03-2095.

Respectfully submitted,

Date: 2/1/2007



James D. DeCamp, Ph.D.
Reg. No. 43,580

Clark & Elbing LLP
101 Federal Street
Boston, MA 02110
Telephone: 617-428-0200
Facsimile: 617-428-7045



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| APPL NO. | FILING OR 371 (c) DATE | ART UNIT | FIL FEE REC'D | ATTY. DOCKET NO | DRAWINGS | TOT CLMS | IND CLMS |
|------------|---------------------------|----------|---------------|-----------------|----------|----------|----------|
| 10/546,000 | 06/14/2006 | 1722 | 2190 | 50026/054001 | 21 | 19 | 4 |

21559
CLARK & ELBING LLP
101 FEDERAL STREET
BOSTON, MA 02110

CONFIRMATION NO. 8449

CORRECTED FILING RECEIPT



OC000000022053204

Date Mailed: 01/18/2007

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

Applicant(s)

Hirofumi Hamada, Sapporo-shi, JAPAN;
Yoshinori Ito, Sapporo-shi, JAPAN;
Kazuhiro Takahashi, Kushiro-shi, JAPAN;
Masayuki Morikawa, Sapporo-shi, JAPAN;

Assignment For Published Patent Application

DNAVEC Research, Inc., ~~Tsukuba-shi, JAPAN~~ **Tsukuba-shi, JAPAN**

Power of Attorney: The patent practitioners associated with Customer Number 21559.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP04/00957 01/30/2004

Foreign Applications

JAPAN 2003-040806 02/19/2003

If Required, Foreign Filing License Granted: 11/06/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/546,000**

Projected Publication Date: 02/15/2007

Non-Publication Request: No

Early Publication Request: No

Title

Methods for treating ischemic diseases

Preliminary Class

117

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

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Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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NOT GRANTED

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Certificate of Mailing: Date of Deposit: December 27, 2006

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Collette D'Amico

Printed name of person mailing correspondence

Collette D'Amico

Signature of person mailing correspondence

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | | |
|--------------|--|-------------------|------------------|
| Applicants: | Hamada et al. | Art Unit: | 1653 |
| Serial No.: | 10/546,000 | Examiner: | Not Yet Assigned |
| 371(c) Date: | June 14, 2006 | Customer No.: | 21559 |
| | | Confirmation No.: | 8449 |
| Title: | METHODS FOR TREATING ISCHEMIC DISEASES | | |

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST TO CORRECT FILING RECEIPT

Applicants request that the enclosed filing receipt be corrected as follows.

Please change the address of Applicant Kazuhiro Takahashi as follows:

“Kushire-shi, JAPAN”

to read:

“Kushiro-shi, JAPAN”

Please change the address of the Assignee Dनावेक Research, Inc. as follows:

“Tuskuba-shi, JAPAN”

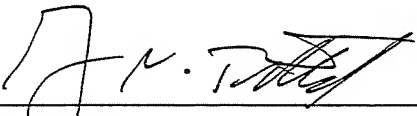
to read:

“Tsukuba-shi, JAPAN.”

Enclosed is a copy of the incorrect filing receipt indicating the change to be made.

In support of this request, Applicants enclose a copy of the Supplemental Application Data Sheet filed with the reply to the Notification of Missing Requirements on June 14, 2006. If there are any charges or any credits, please apply them to Deposit Account No. 03-2095.

Respectfully submitted,

Date: 27 December 2006 
Jan N. Tittel, Ph.D.
Reg. No. 52,290

Clark & Elbing LLP
101 Federal Street
Boston, MA 02110
Telephone: 617-428-0200
Facsimile: 617-428-7045



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| APPL NO. | FILING OR 371 (c) DATE | ART UNIT | FIL FEE REC'D | ATTY. DOCKET NO | DRAWINGS | TOT CLMS | IND CLMS |
|------------|---------------------------|----------|---------------|-----------------|----------|----------|----------|
| 10/546,000 | 06/14/2006 | 1653 | 2190 | 50026/054001 | 21 | 19 | 4 |

CONFIRMATION NO. 8449

21559

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FILING RECEIPT



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Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

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 Yoshinori Ito, Sapporo-shi, JAPAN;
 Kazuhiro Takahashi, Kushiro-shi, JAPAN;
 Masayuki Morikawa, Sapporo-shi, JAPAN;

Kushiro-shi

Assignment For Published Patent Application

Dनावेक Research, Inc., Tuskuba-shi, JAPAN

TsuKuba-shi

Power of Attorney: The patent practitioners associated with Customer Number 21559.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP04/00957 01/30/2004

Foreign Applications

JAPAN 2003-040806 02/19/2003

If Required, Foreign Filing License Granted: 11/06/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/546,000**

Projected Publication Date: 02/15/2007

Non-Publication Request: No

Early Publication Request: No

Title

Method for treating ischemic diseases

Preliminary Class

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PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

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The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

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COPY

Supplemental Application Data Sheet

Application Information

| | |
|---------------------------------|---|
| Application number:: | <u>10/546.000</u> |
| Filing Date:: | 08/18/05 |
| Application Type:: | Regular |
| Subject Matter:: | Utility |
| Suggested Classification:: | |
| Suggested Group Art Unit:: | |
| CD-ROM or CD-R?:: | None |
| Number of CD disks:: | |
| Number of copies of CDs:: | |
| Sequence submission?:: | Paper |
| Computer Readable Form (CRF)?:: | Yes |
| Number of copies of CRF:: | 1 |
| Title:: | METHODS FOR TREATING ISCHEMIC DISEASES |
| Attorney Docket Number:: | 50026/054001 |
| Request of Early Publication?:: | No |
| Request of Non-Publication?:: | No |
| Suggested Drawing Figure:: | |
| Total Drawing Sheets:: | 21 |
| Small Entity?:: | No |
| Petition Included?:: | No |
| Petition Type:: | |
| Licensed US Govt. Agency:: | |
| Contract or Grant Numbers:: | |

Secrecy Order in Parent Appl.?:: No

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Applicant Information

Applicant Authority Type:: Inventor

Primary Citizenship Country:: Japan

Status:: Full Capacity

Given Name:: Hirofumi

Middle Name::

Family Name:: Hamada

Name Suffix::

City of Residence::

State or Province of Residence:: Hokkaido

Country of Residence:: Japan

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City of mailing address:: Sapporo-shi

State or Province of mailing address:: Hokkaido

Country of mailing address:: Japan

Postal or Zip Code of mailing address:: 064-0959

Applicant Authority Type:: Inventor

Primary Citizenship Country:: Japan

Status:: Full Capacity

Given Name:: Yoshinori

Middle Name::

Family Name:: Ito

Name Suffix::

COPY

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State or Province of Residence:: Hokkaido
Country of Residence:: Japan
Street of mailing address:: 1-1-409, Minami 21 Jou Nishi 15-chome, Chuo-ku
City of mailing address:: Sapporo-shi
State or Province of mailing address:: Hokkaido
Country of mailing address:: Japan
Postal or Zip Code of mailing address:: 064-0921

Applicant Authority Type:: Inventor
Primary Citizenship Country:: Japan
Status:: Full Capacity
Given Name:: Kazuhiro
Middle Name::
Family Name:: Takahashi
Name Suffix::

City of Residence::
State or Province of Residence:: Hokkaido
Country of Residence:: Japan
Street of mailing address:: ~~503, Matsui Building, Minami~~
~~4 Jou Nishi 16-chome~~
~~Chuo-ku~~
2-21, Hoshigaura-Kita 3-chome
City of mailing address:: ~~Sapporo-shi~~
Kushiro-shi
State or Province of mailing address:: Hokkaido

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Country of mailing address:: Japan
Postal or Zip Code of mailing address:: ~~064-0804~~
084-0911

Applicant Authority Type:: Inventor
Primary Citizenship Country:: Japan
Status:: Full Capacity
Given Name:: Masayuki
Middle Name::
Family Name:: Morikawa
Name Suffix::
City of Residence::
State or Province of Residence:: Hokkaido
Country of Residence:: Japan
Street of mailing address:: 6-6, Yamanote 1 Jou 2-chome, Nishi-ku
City of mailing address:: Sapporo-shi
State or Province of mailing address:: Hokkaido
Country of mailing address:: Japan
Postal or Zip Code of mailing address:: 063-0001

Correspondence Information

Correspondence Customer Number:: 21559

Representative Information

Representative Customer Number:: 21559

COPY

Domestic Priority Information

Application:: Continuity Type::
This Application National stage of

Parent Application:: Parent Filing Date::
PCT/JP2004/000957 01/30/04

Foreign Priority Information

Country:: Application Number::
JP 2003-040806

Filing Date::
02/19/03

Priority Claimed::
YES

Assignee Information

Assignee name:: DNAVEC Research, Inc.
Street of mailing address:: 25-11, Kannondai 1-Chome
City of mailing address:: Tsukuba-shi
State of Province of mailing address:: Ibaraki
Country of mailing address:: Japan
Postal or Zip Code of mailing address:: 305-0856

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JUNE 02, 2006

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BOSTON, MA 02110

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RECORDATION DATE: 06/01/2006

REEL/FRAME: 017708/0774

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 50026/054001

ASSIGNOR:

HAMADA, HIROFUMI

DOC DATE: 03/16/2006

ASSIGNOR:

ITO, YOSHINORI

DOC DATE: 03/23/2006

ASSIGNOR:

TAKAHASHI, KAZUHIRO

DOC DATE: 03/30/2006

ASSIGNOR:

MORIKAWA, MASAYUKI

DOC DATE: 03/27/2006

017708/0774 PAGE 2

ASSIGNEE:

DNAVEC RESEARCH INC.
25-11, KANNONDAI 1-CHOME
TSUKUBA-SHI, IBARAKI, JAPAN
305-
0856

SERIAL NUMBER: 10546000

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: METHODS FOR TREATING ISCHEMIC DISEASES

MARY BENTON, EXAMINER
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

06/01/2006
500110250

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|--|---------------------------|----------------|---------------------|------------|---------------|------------|--------------------|------------|-------------------|------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Hirofumi Hamada</td><td>03/16/2006</td></tr><tr><td>Yoshinori Ito</td><td>03/23/2006</td></tr><tr><td>Kazuhiro Takahashi</td><td>03/30/2006</td></tr><tr><td>Masayuki Morikawa</td><td>03/27/2006</td></tr></tbody></table> | Name | Execution Date | Hirofumi Hamada | 03/16/2006 | Yoshinori Ito | 03/23/2006 | Kazuhiro Takahashi | 03/30/2006 | Masayuki Morikawa | 03/27/2006 | |
| Name | Execution Date | | | | | | | | | | |
| Hirofumi Hamada | 03/16/2006 | | | | | | | | | | |
| Yoshinori Ito | 03/23/2006 | | | | | | | | | | |
| Kazuhiro Takahashi | 03/30/2006 | | | | | | | | | | |
| Masayuki Morikawa | 03/27/2006 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| Name: | DNAVEC Research Inc. | | | | | | | | | | |
| Street Address: | 25-11, Kannondai 1-chome | | | | | | | | | | |
| City: | Tsukuba-shi, Ibaraki | | | | | | | | | | |
| State/Country: | JAPAN | | | | | | | | | | |
| Postal Code: | 305-0856 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>10546000</td></tr></tbody></table> | Property Type | Number | Application Number: | 10546000 | | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 10546000 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: (617)428-7045 | | | | | | | | | | | |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | |
| Phone: 6174280200 | | | | | | | | | | | |
| Email: patentadministrator@clarkelbing.com | | | | | | | | | | | |
| Correspondent Name: Jeffrey C. Kessler | | | | | | | | | | | |
| Address Line 1: Clark & Elbing LLP | | | | | | | | | | | |
| Address Line 2: 101 Federal Street | | | | | | | | | | | |
| Address Line 4: Boston, MASSACHUSETTS 02110 | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 50026/054001 | | | | | | | | | | |
| NAME OF SUBMITTER: | Jeffrey C. Kessler, Ph.D. | | | | | | | | | | |

CH \$40.00 10546000

Total Attachments: 3

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ASSIGNMENT

For valuable consideration, we,

| Full Name of Assignor | City | State (and Country if not USA) |
|-----------------------|---|--------------------------------|
| Hirofumi Hamada | Sapporo-shi | Hokkaido, Japan |
| Yoshinori Ito | Sapporo-shi | Hokkaido, Japan |
| Kazuhiro Takahashi | Sapporo-shi Kushiro-shi K.T. | Hokkaido, Japan |
| Masayuki Morikawa | Sapporo-shi | Hokkaido, Japan |

hereby assign to

| Full Name of Assignee | State of Incorporation | Business Address |
|-----------------------|------------------------|---|
| DNAVEC Research Inc. | Ibaraki | 25-11, Kannondai 1-chome, Tsukuba-shi, Ibaraki 305-0856 Japan |

and to its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements which are subject of one or more applications for United States Patent signed by us, identified as:

| Title of Application | Filing Date | Serial Number |
|---|-----------------|---------------|
| METHODS FOR TREATING ISCHEMIC DISEASES | August 18, 2005 | 10/546,000 |

and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment includes said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations, and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Sapporo, Japan

this 16 day of March, 2006
~~2005~~

Hirofumi Hamada L.S.
HIROFUMI HAMADA

Toshihiro Tanaka
WITNESS #1

Toshihiro Tanaka
PRINTED NAME

Noriko Uryu
WITNESS #2

Noriko Uryu
PRINTED NAME

IN WITNESS WHEREOF, I hereto set my hand and seal at Sapporo, Japan

this 23rd day of March, 2006
~~2005~~

Yoshinori Ito L.S.
YOSHINORI ITO

Masayuki Sato
WITNESS #1

Masayuki Sato
PRINTED NAME

Kazuto Ootaki
WITNESS #2

KAZUTO OOTAKI
PRINTED NAME

IN WITNESS WHEREOF, I hereto set my hand and seal at Kushiro, Japan

this 30th day of March, 2006
~~2005~~

Kazuhiro Takahashi L.S.
KAZUHIRO TAKAHASHI

Naoko Iga
WITNESS #1

Naoko Iga
PRINTED NAME

Tomomi Ishiyama
WITNESS #2

Tomomi Ishiyama
PRINTED NAME

IN WITNESS WHEREOF, I hereto set my hand and seal at Sapporo, Japan,

this 27th day of March, 2005.⁶

Masayuki Morikawa L.S.
MASAYUKI MORIKAWA

Sumiko Asakura
WITNESS #1

Sumiko Asakura
PRINTED NAME

Mitsuru Murakoshi
WITNESS #2

Mitsuru Murakoshi
PRINTED NAME